

#### § 520.2380e

*spp.*, *Poteriostomum spp.*, *Oxyuris spp.*, *Strongyloides spp.*, and *Parascaris spp.* ).

(2) Do not use in horses intended to be used for food purposes.

(3) For use by or on the order of a licensed veterinarian.

[40 FR 13838, Mar. 27, 1975, as amended at 62 FR 63271, Nov. 28, 1997]

#### § 520.2380e Thiabendazole with trichlorfon.

(a) *Specifications.* The drug contains 5 grams of thiabendazole with 4.5 grams of trichlorfon, or 20 grams of thiabendazole with 18 grams of trichlorfon.

(b) *Sponsor.* See No. 017135 in § 510.600(c) of this chapter.

(c) *Conditions of use.* (1) Used for the treatment and control of bots (*Gasterophilus spp.* ), large strongyles (*Strongylus spp.* ), small strongyles (genera *Cyathostomum*, *Cylicobrachytus*, *Craterostomum*, *Oesophagodontus*, *Poteriostomum*), pinworms (*Oxyuris spp.*, *Strongyloides spp.* ), and ascarids (*Parascaris spp.* ) in horses.

(2) Administer 2 grams of thiabendazole with 1.8 grams of trichlorfon per 100 pounds of body weight sprinkled on the animals' usual daily ration of feed, or may be mixed in 5 to 10 fluid ounces of water and administered by stomach tube or drench.

(3) Do not re-treat more than once every 30 days, preferably every 6 to 8 weeks.

(4) Do not treat animals if sick or debilitated; less than 4 months of age; or mares in last month of pregnancy.

(5) Do not administer intravenous anesthetics, especially muscle relaxants, within 2 weeks of use.

(6) Not for animals intended for food use.

(7) Do not use within a few days before or after treatment with or exposure to cholinesterase-inhibiting drugs, pesticides, or chemicals.

(8) If the label bears directions for administration of the drug by stomach tube or drench it shall also bear the statement: Caution; Federal law restricts this drug to use by or on the order of a licensed veterinarian.

[40 FR 23071, May 28, 1975, as amended at 48 FR 48229, Oct. 18, 1983]

#### 21 CFR Ch. I (4–1–05 Edition)

#### § 520.2380f Thiabendazole, piperazine phosphate powder.

(a) *Specifications.* Each ounce of water dispersible powder contains 6.67 grams of thiabendazole and 8.33 grams of piperazine (as piperazine phosphate).

(b) *Sponsor.* See No. 050604 in § 510.600(c) of this chapter.

(c) *Conditions of use*—(1) *Amount.* 2 grams of thiabendazole and 2.5 grams of piperazine (0.3 ounce of powder) per 100 pounds of body weight.

(2) *Indications for use.* Treatment of infections of large strongyles (genus *Strongylus*), small strongyles (genera *Cyathostomum*, *Cylicobrachytus*, and related genera *Craterostomum*, *Oesophagodontus*, *Poteriostomum*), pinworms (*Oxyuris*), threadworms (*Strongyloides*), and ascarids (*Parascaris*) in horses.

(3) *Limitations.* Use a single oral dose. Administer as a drench or by stomach tube suspended in 1 pint of warm water; by dose syringe suspended in ½ ounce of water for each 100 pounds of body weight; or sprinkled over a small amount of daily feed. Not for animals intended for food use. If the label bears directions for administration by stomach tube or drench, it shall also bear the statement "Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian;" if not labeled for use by stomach tube or drench, the label shall bear the statement, "Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism."

[46 FR 18963, Mar 27, 1981, as amended at 46 FR 52330, Oct. 27, 1981; 62 FR 63271, Nov. 28, 1997]

#### § 520.2455 Tiamulin soluble powder.

(a) *Specifications.* A water-soluble powder containing 45 percent tiamulin used to make a medicated drinking water containing 227 or 677 milligrams of tiamulin per gallon.

(b) *Sponsors.* See Nos. 000010 and 059130 in § 510.600(c) of this chapter.

(c) *Related tolerances.* See § 556.738 of this chapter.

(d) *Conditions of use in swine*—(1) *Amount.* 3.5 milligrams of tiamulin per pound of body weight for 5 days.

(i) *Indications for use.* For treatment of swine dysentery associated with

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*Brachyspira hyodysenteriae* susceptible to tiamulin.

(ii) *Limitations*. Use for 5 consecutive days. Withdraw 3 days before slaughter. Prepare fresh water daily. Not for use in swine over 250 pounds body weight. Use as only source of drinking water.

(2) *Amount*. 10.5 milligrams of tiamulin per pound of body weight for 5 days.

(i) *Indications for use*. For treatment of swine pneumonia due to *Actinobacillus pleuropneumoniae* susceptible to tiamulin.

(ii) *Limitations*. Use for 5 consecutive days. Withdraw 7 days before slaughter. Prepare fresh water daily. Not for use in swine over 250 pounds body weight. Use as only source of drinking water. Do not allow consumption of feeds containing polyether ionophores (e.g., monensin, lasalocid, narasin or salinomycin) as adverse reactions may occur.

[52 FR 15718, Apr. 30, 1987, as amended at 58 FR 14313, Mar. 17, 1993; 62 FR 35076, June 30, 1997; 70 FR 13099, Mar. 18, 2005]

**§ 520.2456 Tiamulin liquid concentrate.**

(a) *Specifications*. A liquid concentrate containing 12.3 percent tiamulin used to make a medicated drinking water containing 227 milligrams or 681 milligrams of tiamulin per gallon.

(b) *Sponsor*. See 000010 in § 510.600(c) of this chapter.

(c) *Related tolerances*. See § 556.738 of this chapter.

(d) *Conditions of use in swine*—(1) *Amount*. Dysentery: 3.5 milligrams of tiamulin per pound of body weight daily. Pneumonia: 10.5 milligrams of tiamulin per pound of body weight daily.

(2) *Indications for use*. For treatment of swine dysentery associated with *Treponema hyodysenteriae* and swine pneumonia due to *Actinobacillus pleuropneumoniae* susceptible to tiamulin.

(3) *Limitations*. Use for 5 consecutive days. When a dose is 3.5 milligrams per pound of body weight daily, withdraw medication 3 days before slaughter. When a dose is 10.5 milligrams per pound of body weight daily, withdraw 7 days before slaughter. Prepare fresh

medicated water daily. Not for use in swine over 250 pounds body weight. Use as only source of drinking water. Do not allow consumption of feeds containing polyether ionophores (e.g., monensin, lasalocid, narasin, or salinomycin) as adverse reactions may occur.

[58 FR 14313, Mar. 17, 1993, as amended at 62 FR 35076, June 30, 1997]

**§ 520.2473 Tioxidazole oral dosage forms.**

**§ 520.2473a Tioxidazole granules.**

(a) *Specifications*. Each gram of granules contains 200 milligrams of tioxidazole.

(b) *Sponsor*. See No. 000061 in § 510.600(c) of this chapter.

(c) *Conditions of use*—(1) *Horses*—(i) *Amount*. 5 milligrams per pound of body weight as a single dose.

(ii) *Indications for use*. Removal of mature large strongyles (*Strongylus edentatus*, *S. equinus*, and *S. vulgaris*), mature ascarids (*Parascaris equorum*), mature and immature (4th larval stage) pinworms (*Oxyuris equi*), and mature small strongyles (*Triodontophorus* spp.)

(iii) *Limitations*. For administration with feed: Sprinkle required amount of granules on a small amount of the usual grain ration and mix. Prepare for each horse individually. Withholding of feed or water not necessary. Not for use in horses intended for food. The reproductive safety of tioxidazole in breeding animals has not been determined. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism. It is recommended that this drug be administered with caution to sick or debilitated horses.

(2) [Reserved]

[50 FR 52772, Dec. 26, 1985; 51 FR 2693, Jan. 21, 1986, as amended at 52 FR 7832, Mar. 13, 1987]

**§ 520.2473b Tioxidazole paste.**

(a) *Specifications*. Each plastic syringe contains 6.25 grams of tioxidazole.

(b) *Sponsor*. See No. 000061 in § 510.600(c) of this chapter.

(c) *Conditions of use*—(1) *Horses*—(i) *Amount*. 5 milligrams of tioxidazole per pound of body weight as a single dose.